

Attorney Docket No. PU60791

INTERNATIONAL APP. NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/US2004/008025	17-Mar-2004	17-Mar-2004

TITLE OF INVENTION

M3 Muscarinic Acetylchoine Receptor Antagonists

APPLICANT(S) FOR DO/US

Jakob Busch-Petersen, Anthony William James Cooper, Dramane Ibrahim Laine, Michael R. Palovich, , Zehong Wan, Hongxing Yan, Chongjie Zhu

FILING OF AN INFORMATION DISCLOSURE STATEMENT

Applicants request that the references identified on Form PTO-1449 appended hereto be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR 1.97

A copy of the International Search Report, which issued on International Application No. PCT/US2004/008025 is submitted herewith. All of the publications cited in the International Search Report are listed on the attached form PTO-1449 and Applicants understand that copies have been supplied to the U.S. Patent Office by the International Bureau.

Copies of references not listed on the International Search Report are enclosed.

The attached list of citations on PTO Form 1449 is being submitted under the provisions of 37 CFR §1.56 and §1.97 in order to comply with the duty of disclosure. Their inclusion herein should not, however, be construed as an admission that any particular cited reference is effective prior art or that it discloses or renders obvious any aspect of the claimed invention. This statement is being filed within the time period specified in 37 CFR §1.97(b). No fee is required.

Respectfully submitted,

/SomaGSimon/

Soma G. Simon
Attorney for Applicants
Registration No. 37,444

GLAXOSMITHKLINE
Corporate Intellectual Property - UW2220
P.O. Box 1539
King of Prussia, PA 19406-0939
Phone (610) 270-5019
Facsimile (610) 270-5090
N:\SOMA\CASES\PU60791\IDS_1449.doc

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PU60791	INTERNATIONAL APPLICATION NO. PCT/US2004/008025
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Busch-Petersen et al.	
		FILING DATE Herewith	GROUP

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		US 2005/0131236 A1	16-Jun-2005	PETERS et al.			
		US 20041091482 A2	28-Oct-2004	BUSHE-PETESEN et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
							Yes

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	/Marcos Sznaidman/	DATE CONSIDERED
		02/05/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

n:\soma\cases\pu60791\ids_1449.doc

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PU60791	SERIAL NO. 10/598,885
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Busch-Petersen, et al.	
		FILING DATE 9 July 2007	GROUP 4137

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	7,232,841	19 Jun 07	Busch-Petersen, et al.			
	7,276,521	2 Oct 07	Busch-Petersen, et al.			
	2005/0277676	15 Dec 05	Laine, et al.			
	2007/0185155	9 Aug 07	Laine, et al.			
	2007/0249664	25 Oct 07	Laine, et al.			
	2006/0178396	10 Aug 06	Belmonte, et al.			
	2007/0185090	9 Aug 07	Busch-Petersen, et al.			
	2007/0185088	9 Aug 07	Busch-Petersen, et al.			
	2007/0179184	2 Aug 07	Busch-Petersen, et al.			
	2007/0179180	2 Aug 07	Busch-Petersen, et al.			
	2006/0178395	10 Aug 06	Belmonte, et al.			
	2006/0160844	20 Jul 06	Belmonte, et al.			
	2007/0135478	14 Jun 07	Palovich, et al.,			
	2007/0129396	7 Jun 07	Wan, et al.,			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes	No
	2006/050239	11 May 06	WIPO				
	2006/055553	26 May 06	WIPO				
	2006/055503	26 May 06	WIPO				
	2006/062883	15 Jun 06	WIPO				
	2006/062931	15 Jun 06	WIPO				
	2006/065755	22 Jun 06	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER /Marcos Sznaidman/ DATE CONSIDERED 02/05/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PU60791	SERIAL NO. 10/598,885
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Busch-Petersen, et al.	
		FILING DATE 9 July 2007	GROUP 4137

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	2007/0149598	28 Jun 07	Busch-Petersen, et al.			
	2007/0173646	26 Jul 07	Laine, et al.			
	2007/0232599	4 Oct 07	Palovich, et al.			
			Laine, et al. USSN 10/585830			12 Jul 06
			Budzik, et al. USSN 10/598743			11 Sep 06
			Jin, et al. USSN 10/598750			11 Sep 06
			Laine, et al. USSN 10/599717			06 Oct 06
			Cooper, et al. USSN 11/570981			20 Dec 06
			Busch-Petersen, et al. USSN 11/573097			02 Feb 07
			Busch-Petersen, et al. USSN 11/573099			2 Feb 07
			Busch-Petersen, et al. USSN 11/766318			21 Jun 07
			Busch-Petersen, et al. USSN 11/766371			21 Jun 07
			Wan, et al., USSN 11/774885			01 May 06

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes	No
	2006/065788	22 Jun 06	WIPO				
	2007/018514	15 Feb 07	WIPO				
	2007/018508	15 Feb 07	WIPO				
	2007/016650	8 Feb 07	WIPO				
	2007/016639	8 Feb 07	WIPO				
	2007/022351	22 Feb 07	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER /Marcos Sznaidman/ DATE CONSIDERED 02/05/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./
2

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PU60791	SERIAL NO. 10/598,885
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Busch-Petersen, et al.		
		FILING DATE 9 July 2007	GROUP 4137	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	6,455,527	24 Sep 02	Tulshian, et al.			
	6,262,066	17 Jul 01	Tulshian, et al.			
	6,248,752	19 Jun 01	Smith			
	6,350,758	26 Feb 02	Kozikowski, et al.			
	2,800,481	23 Jul 57	Zirkle, et al.			
	2,800,478	23 Jul 57	Zirkle, et al.			
	6,750,226	15 June 04	Forner, et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
	87/05213	11 Sep 87	WIPO				
	2242134	25 Sep 91	GB				
	2178965	25 Feb 87	GB				
	2129691	23 May 84	GB				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Brown, <i>History and Basic Properties</i> , Humana Press, USA pgs 7-9 (1989)
	Caulfield, <i>Pharmac. Ther.</i> , Vol. 58 pgs 319-79 (1993)
	Costello, et al., <i>American Journal of Physiology</i> , Vol. 276 (5) pgs L709-L714 (1999)
	Fryer and Jacoby, <i>Am J Respir Crit Care Med</i> , Vol. 158 (5, pt 3) pgs 154-60 (1998)
	Fryer et al., <i>Life Sci</i> , Vol. 64 (6-7) pgs 449-55 (1999)
	Hedge, et al., <i>Life Sciences</i> , Vol. 64 (6/7) pgs 419-428 (1999)
	Ikeda, et al., <i>Naunyn-Schmiedeberg's Arch Pharmacol.</i> , Vol. 366, pages 97-103, (2002)
	Minette, et al., <i>Journal of Applied Physiology</i> , Vol. 67(6) pgs 2461-2465 (1989)
	Oprins, et al., <i>Annals of the New York Academy of Sciences</i> , Vol. 915 pgs. 102-106 (2000)

EXAMINER	/Marcos Sznaidman/	DATE CONSIDERED	02/05/2008
----------	--------------------	-----------------	------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.S./

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PU60791	SERIAL NO. 10/598,885
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT Busch-Petersen, et al.	
		FILING DATE 9 July 2007	GROUP 4137

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,860,419	19 Jan 99	Davies, et al.			
	5,873,360	23 Feb 99	Davies, et al.			
	5,590,645	7 Jan 97	Davies, et al.			
	3,634,852	11 Jan 72	Hartley, et al.			
	6,696,462	24 Feb 04	Eickmeier, et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
	2169265	9 Jul 86	GB				
	2064336	17 Jun 81	GB				
	0069715	10 Jun 82	EP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Pauwels et al., <i>Am. J. Respir. Crit. Care Med.</i> , Vol. 163 pgs 1256-1276 (2001)
	Ran, et al., <i>Yaoxue Xuebao</i> , Vol. 19 (5) pgs 361-366 (1984) ABSTRACT only
	Sarau, <i>Mol. Pharmacol.</i> , Vol. 56 (3) pg 657-63 (1999)
	Van Rossum, et al., <i>Arch. Int. Pharmacodyn.</i> , Vol. 143 pg 299 (1963) Best Available Copy
	Wu, et al., <i>Zhongguo Yaowu Huazue Zazhi</i> , Vol. 3 (1) pgs 23-26 (1993) ABSTRACT only
	Zirkle, et al., <i>J Med Chem</i> , Vol. 27 pgs 1269-1279 (1962)
	Zirkle, et al., <i>J Med Chem</i> , Vol. 27 pgs 1279-1285 (1962)
	Zirkle, et al., <i>J Med Chem</i> , Vol. 5 pgs 341-356 (1962)
	Zhang, et al., <i>J Med Chem</i> , Vol. 44 pgs 3937-3945 (2001)

EXAMINER
/Marcos Sznaidman/ DATE CONSIDERED

02/05/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH₂ /M.S./